

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 19448
Application ID: 10065597
Title of Invention: METHOD AND SYSTEM FOR
CONTROLLING TEMPERATURE OF
AN INTERNAL COMBUSTION
ENGINE EXHAUST GAS
AFTERTREATMENT DEVICE
First Named Inventor: Lifeng Xu
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-11-01
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 202-0882
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: BnDsUKAQmk/wt4gvPncs5Q==
Total Fees Authorized: \$1504.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles



TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

202-
0882

Submission Type: Utility Patent
Filing

METHOD AND SYSTEM FOR CONTROLLING TEMPERATURE OF AN INTERNAL COMBUSTION ENGINE EXHAUST GAS AFTERTREATMENT DEVICE

First Named Inventor: Lifeng Xu

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20021101

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration

declaration

declaration

declaration

declaration

bibd-transmittal

patent-assignments

specification

fee-transmittal

consent.tif

declaration1of3.tif

declaration2of3.tif

declaration3of3.tif

ids.tif

202-0882apds.xml

202-0882asgn.xml

specification.xml

202-0882fee.xml

Attached Image File(s):

consent.tif

declaration1of3.tif

declaration2of3.tif

declaration3of3.tif

ids.tif

Comments:

If insufficient funds in deposit account 06-1510, please charge deposit account 06-1505.

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 202-0882
Date: October 29, 2002

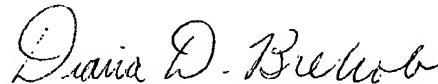
Sir:

Inventor(s):
Lifeng Xu
Jialin Yang
Robert McCabe
Richard Baker
Diana Brehob

For: **METHOD AND SYSTEM FOR CONTROLLING TEMPERATURE OF AN INTERNAL COMBUSTION
ENGINE EXHAUST GAS AFTERTREATMENT DEVICE**

The attorney or agent below has reviewed this application and its attachments and consents to
electronic filing by the assignee.

Respectfully submitted:



Diana D. Brehob
Attorney or Agent of Record
Registration No. 51,496
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One Parklane Blvd.,
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Telephone: 313-322-1879

Customer No. 022844

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATIONAttorney's Docket No.
202-0882

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name:

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR CONTROLLING TEMPERATURE OF AN INTERNAL COMBUSTION ENGINE EXHAUST GAS AFTERTREATMENT DEVICE

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,

☒ no such applications have been filed, or☐ such applications have been filed as follows:☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are listed on a supplementary priority data sheet PTO/SB/02B attached here

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 when it became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
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POWER OF ATTORNEY: - I/we hereby appoint Practitioners at Customer No. 022844, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and foreign Patent Offices.

OCT, -28' Q2 (MON) 12:34 FORD CHEM ENG DEPT

TEL: 313 594 2963

P. 1

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Lifeng Xu 28602 Golfpointe Farmington Hills, MI 48331 US	Farmington Hills, MI 48331 US	China	<i>Lifeng Xu</i>	10/2
Jialin Yang 582 Terrace Ct. Canton, MI 48188 US	Canton, MI 48188 US	U.S.A	<i>Jialin Yang</i>	10/2
Richard Eugene Baker 6742 Charlesworth Rd Dearborn Heights, MI 48127 US	Dearborn Heights, MI 48127 US	U.S.A.		
Robert Walter McCabe 18591 San Quentin Drive Lathrup Village, MI 48076 US	Lathrup Village, MI 48076 US	U.S.A	<i>R. W. McCabe</i>	10/2
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Richard Eugene Baker 6742 Charlesworth Rd. Dearborn Heights, MI 48127 US	Dearborn Heights, MI 48127 US	U.S.A.	<i>RE Baker</i>	10/
Robert Walter McCabe 18591 San Quentin Drive Lathrup Village, MI 48076 US	Lathrup Village, MI 48076 US	U.S.A		
Diana D. Brehob 1 Duxbury Lane Dearborn, MI 48120-1040 US	Dearborn, MI 48120-1040 US	U.S.A		

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet <u>1</u> of <u>1</u>	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>To be assigned</td> </tr> <tr> <td>Filing Date</td> <td>Herewith</td> </tr> <tr> <td>Applicants</td> <td>Brehob, Yang, Xu, Baker, McCabe</td> </tr> <tr> <td>Group Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>202-0882</td> </tr> </table>	Application Number	To be assigned	Filing Date	Herewith	Applicants	Brehob, Yang, Xu, Baker, McCabe	Group Art Unit		Examiner Name		Attorney Docket Number	202-0882
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Filing Date	Herewith												
Applicants	Brehob, Yang, Xu, Baker, McCabe												
Group Art Unit													
Examiner Name													
Attorney Docket Number	202-0882												

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL*	Cite No. ¹	DOCUMENT NUMBER	Kind Code ² (if known)	NAME	DATE MM-DD-YY	Pages, Columns, Lin Where Relevant Passages c Figures Appear
		4,720,972		Rao et al.	01-26-88	
		6,421,599		Lippa et al	07-16-02	

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document		Kind Code ⁵ (if known)	NAME	DATE MM-DD-YY
		Office ²	Number ⁴			
		EP	0165922 B1		Wade et al.	02-22-89
		WO	93/00503		Gillingham et al.	01-07-93
		JP	09-137716 Abstract		Kondo et al.	05-27-97

EXAMINER

DATE CONSIDERED

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not c Include copy of this form with next communication to applicant

¹Unique citation designation number ²Applicant is to place a check mark here if English language Translation is attached ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must p serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if poss
⁶Applicant is to place a check mark here if English language Translation is attached

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

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TOTAL FEES AUTHORIZED: \$ 1504

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20021101

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 44	1202	\$ 18	24	\$ 432
Independent Claims: 6	1201	\$ 84	3	\$ 252

Subtotal For Extra Claims Fees: \$ 684

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80